

**Road Weather Management Program
Best Practices for Road Weather Management**

PUBLICATIONS LIST

TITLE:

SNOW EMERGENCY VEHICLE ROUTING WITH ROUTE
CONTINUITY CONSTRAINTS

ABSTRACT:

This paper summarizes new results from continuing research dealing with development of a decision support system for assisting the Maryland State Highway Administration Office of Maintenance staff in designing snow emergency routes for Calvert County. By taking into account some of the more realistic constraints, we try to solve two problems. One involves minimizing the total number of trucks and, the second one involves minimizing the total deadhead distance given the number of trucks. The two problems do not result in identical solutions in general. Some application results are also reported which indicate using such a system can achieve improvements in service and savings in operational costs.

SOURCE(S):

Transportation Research Board 81st Annual Meeting, Search
TRIS <http://199.79.179.82/sundev/search.cfm>

Keyword(s):

Winter maintenance, Decision support, Maintenance vehicle,
Productivity